



Title: Absorption material for water, aqueous solutions and aqueous body fluids

Patent Number: DE3313344

Publication date: 1984-10-18

Inventor(s): CHMELIR MIROSLAV DIPL CHEM DR (DE)

Applicant(s): STOCKHAUSEN CHEM FAB GMBH (DE)

Application Number: DE833313344 19830413

Priority Number(s): DE833313344 19830413, DE813141098 19811016

IPC Classification: B01J20/30 ; A61F13/16 ; A61F13/20 ; C02F1/28 ; A61K9/18 ; A24D3/08 ; H01M4/62

Requested Patent: DE3313344

Equivalents:

Abstract

The invention relates to a process for producing an absorption material for water, aqueous solutions and aqueous body fluids, which absorption material is composed of an absorbent, permanently fixed on or in a support, and which is produced by treating the support with the partially swollen absorbent and then drying it. The partial swelling of the absorbent is carried out exclusively with water, that is in the absence of an organic solvent. The partial swelling of the absorbent can be controlled in the production of the absorbent through the water concentration. When the absorbent is applied between two support layers which have recesses, the partial swelling is carried out after the application. The invention further relates to the use of the absorption material thus produced in disposable products for hygienic, surgical or other medical purposes for receiving and/or retaining water and subsequent controlled delivery of water or components dissolved therein to other bodies, for example plants, and finally as a filter insert in smoking materials to absorb distillation products contained in the smoke.

RECEIVED
DEC 08 2000
TC 1700